

Docket No.: SGU-043

4AU 2877/1
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Ian Edward DAY

Serial No. 09/874,999

Confirm. No.: 5528

Filed: June 7, 2001

For: AN ELECTRO-OPTIC DEVICE



Group Art Unit: 2877

Examiner: Kaveh C. Kianni

RECEIVED
APR -3 2003
TC-2800 MAIL ROOM

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Dear Sir:

Transmitted herewith is an Amendment and/or Reply in the above identified application.

☒ No additional fee is required.

☐ Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	17	20		x \$18 =	\$0.00
Independent Claims	3	3		x \$84 =	\$0.00
If multiple claims newly presented, add \$280.00					
Fee for extension of time					
IDS					\$180.00
TOTAL FEE DUE					\$180.00

☐ Please charge my Deposit Account No. 16-0607 in the amount of \$. An additional copy of this transmittal sheet is submitted herewith.

☐ A check in the amount of \$ 180.00 (Check # 9158) is attached.

☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 16-0607, including any filing fees under 37 C.F.R. 1.16 for presentation of extra claims and any patent application processing fees under 37 C.F.R. 1.17.

Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186
Laura L. Lee
Registration No. 48,752

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 502-9440 DYK/LLL:mjc
Date: March 27, 2003

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P50889uW0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 01/ 03569	International filing date (day/month/year) 08/08/2001	(Earliest) Priority Date (day/month/year) 11/08/2000
Applicant BOOKHAM TECHNOLOGY PLC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

11
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 01/03569

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/025

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 333 851 A (BOOKHAM TECHNOLOGY LTD) 4 August 1999 (1999-08-04) cited in the application	1,4-6,8, 9,11,12, 14-18
Y	abstract; figures 3,5 page 3, paragraph 5 -page 5, paragraph 1 ---	10
Y	WO 00 10039 A (BOOKHAM TECHNOLOGY LTD) 24 February 2000 (2000-02-24) cited in the application abstract; figure 2 ---	10
X	US 4 904 039 A (SOREF RICHARD A) 27 February 1990 (1990-02-27) abstract; figure 3 column 4, line 1 - line 54 column 5, line 2 - line 30 column 7, line 1 - line 28 ---	1,4,5, 7-9,12, 14,15
	--- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

31 October 2001

Date of mailing of the international search report

15/11/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ammerlahn, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 01/03569

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 230 616 A (BRITISH TELECOMM) 24 October 1990 (1990-10-24) abstract; figure 3 page 5, line 18 -page 6, line 34 page 10, line 9 -page 11, line 1 ----	1-5,8,9, 12,14-16
X	US 4 145 121 A (HATA SUSUMU ET AL) 20 March 1979 (1979-03-20) column 3, line 3 - line 47; figure 4 column 5, line 45 -column 6, line 7 ----	17
A	US 5 757 986 A (RICKMAN ANDREW GEORGE ET AL) 26 May 1998 (1998-05-26) cited in the application abstract; figures 1,2 ----	1,6, 8-12, 14-16
A	DE 36 00 458 A (HERTZ INST HEINRICH) 10 July 1986 (1986-07-10) page 11, line 6 -page 14, line 16 figure 3 -----	1,6, 9-12, 14-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 01/03569

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2333851	A	04-08-1999	AU 2560200 A WO 0049451 A1	04-09-2000 24-08-2000
WO 0010039	A	24-02-2000	GB 2340616 A AU 5182999 A EP 1125151 A1 WO 0010039 A1	23-02-2000 06-03-2000 22-08-2001 24-02-2000
US 4904039	A	27-02-1990	NONE	
GB 2230616	A	24-10-1990	NONE	
US 4145121	A	20-03-1979	JP 1269592 C JP 52020846 A JP 59041167 B FR 2321138 A1 GB 1562992 A	25-06-1985 17-02-1977 05-10-1984 11-03-1977 19-03-1980
US 5757986	A	26-05-1998	WO 9508787 A1 DE 69315359 D1 DE 69315359 T2 EP 0720754 A1 JP 9503869 T US 5908305 A	30-03-1995 02-01-1998 10-06-1998 10-07-1996 15-04-1997 01-06-1999
DE 3600458	A	10-07-1986	DE 3600458 A1	10-07-1986